



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

FORM OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☒ OR GAS WELL

NAME OF COMPANY OR OPERATOR

PENSE BROTHERS DRILLING CO., INC.

DATE

12/23/92

ADDRESS

800 NEWBERRY ST.
BOX 551

CITY

FREDERICKTOWN

STATE

MO

ZIP CODE

63605

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE

J. Smith, et ux

WELL NUMBER

2

ELEVATION (GROUND)

980 (TOP)

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINE)

1063'±

FT. FROM (N)(S) SECTION LINE

235'±

FEET FROM (E)(W) SECTION LINE

WELL LOCATION

SECTION

TOWNSHIP

RANGE

COUNTY

SW/4 SW/4

22

44N

33W

CASS

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE _____ FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE 2302' FEET

PROPOSED DEPTH

750'

DRILLING CONTRACTOR, NAME AND ADDRESS

Pense Bros. Drilling Co., Inc.
Box 551, Fredericktown, MO

ROTARY OR CABLE TOOLS

Rotary (AIR)

APPROX. DATE WORK WILL START

ON PERMIT

NUMBER OF ACRES IN LEASE

260

NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR

NUMBER OF ABANDONED WELLS ON LEASE 1 (PLUGGED)

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME

ADDRESS

NA

NO. OF WELLS: PRODUCING _____

INJECTION _____

INACTIVE 1

ABANDONED _____

STATUS OF BOND

☐ SINGLE WELL
AMOUNT \$

☒ BLANKET BOND
AMOUNT \$20,000⁰⁰

☒ ON FILE
☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)

N/A

PROPOSED CASING PROGRAM

AMOUNT	SIZE	WT/FT	CEM.
80'	7"	19 LB.	TD SURF
TD TO SURF	4 1/2"	10 1/2 LB.	TD SURF

APPROVED CASING — TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEM.

I, the undersigned, state that I am the ASST. V. P. of the Pense Bros Drilling Co., Inc.

(company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE

B. E. Blaneett

DATE

12/23/92

PERMIT NUMBER

#20556

☒ DRILLER'S LOG REQUIRED

☒ CORE ANALYSIS REQUIRED IF RUN

☐ SAMPLES REQUIRED

☐ SAMPLES NOT REQUIRED

☐ WATER SAMPLES REQUIRED AT _____

☒ E-LOGS REQUIRED IF RUN
DRILL STEM TEST INFO. REQUIRED IF RUN

DEC 24 1992

APPROVAL DATE

12/24/92

APPROVED BY

J. E. Blaneett

NOTE

THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE

DATE



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☐ OIL ☐ GAS ☐ DRY

OWNER <u>Douse Bros. Drilling</u>		ADDRESS <u>Box 551, Fredricktown, Mo., 63645</u>	
LEASE NAME <u>J. W. Smith</u>		WELL NUMBER <u>2</u>	
LOCATION <u>NW/4 of SW/4</u>		SEC. TWP. AND RANGE OR BLOCK AND SURVEY <u>Sec. 22-T44N-R33W</u>	
COUNTY <u>Cass</u>	PERMIT NUMBER (OGC-3 OR OGC-31) <u>20556</u>		
DATE SPUDDED <u>12/26/93</u>	DATE TOTAL DEPTH REACHED <u>1/27/94</u>	DATE COMPLETED READY TO PRODUCE OR INJECT	ELEVATION (DF, RKR, RT, OR Gr.) FEET <u>985 Gr</u>
TOTAL DEPTH <u>729'</u>	PLUG BACK TOTAL DEPTH <u>725'</u>	ELEVATION OF CASING HD. FLANGE <u>986</u> FEET	
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION <u>Mulkey Tebo Rowe coal seams</u>		ROTARY TOOLS USED (INTERVAL) <u>0</u> TO <u>729</u>	CABLE TOOLS USED (INTERVAL) <u>NA</u>
WAS THIS WELL DIRECTIONALLY DRILLED? <u>No</u>		DRILLING FLUID USED <u>NA</u>	DATE FILED <u>NA</u>
WAS DIRECTIONAL SURVEY MADE? <u>No</u>		WAS COPY OF DIRECTIONAL SURVEY FILED? <u>NA</u>	DATE FILED <u>7/2/93</u>
TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) <u>Gamma Ray - Neutron</u>			

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	8 3/4"	7"	19	50'	15	
production	6 1/2"	4 1/2"	10.5	729'	100	

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
IN.	FEET	FEET	INCH	FEET	FEET		FEET

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
4 spf	3/8" 90°	Rowe 680-684	200 gal 15% HCl, 150 lbs 30# link	680-684
4 spf	3/8" 90°	Tebo 524-526	200 gal 15% HCl, 182 lbs 30# link	524-526
4 spf	3/8" 90°	Mulkey 396-402	200 gal 15% HCl, 176 lbs 30# link, 9000 lbs sand	396-402

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) <u>Pumping</u>					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST bbls.	GAS PRODUCED DURING TEST MCF	WATER PRODUCED DURING TEST bbls.	OIL GRAVITY API (CORR.)	
TUBING PRESSURE	CASING PRESSURE	CAL'TED RATE OF PRODUCTION PER 24 HOURS		OIL bbls.	GAS MCF	WATER bbls.	GAS OIL RATIO

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

METHOD OF DISPOSAL OF MUD PIT CONTENTS

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE MISSOURI AGENT OF THE LEMO OPERATING COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE 4-27-94 SIGNATURE [Signature]

MO Oil & Gas Council

INSTRUCTIONS: ATTACH DRILLERS LOG OR OTHER ACCEPTABLE LOG OF WELL.

* SHOW ALL IMPORTANT ZONES OF POROSITY, DETAIL OF ALL CORES, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

DETAIL OF FORMATIONS PENETRATED

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * ABOVE)
DENNIS	0	8	
SINOPE	8	40	
HUSH RUN KEY	40	62	
HERTHA	62	69	
PLEASANTON	69	88	
HOUDENVILLE	88	227	
NOXATA/LENAPAH	227	244	
BANDERA	244	264	
COAL CITY	264	294	
MINE CREEK	294	305	
MYRICK STATION	305	323	
FT. SCOTT	323	335	
EXCELLO	335	394	
MULKEY/LEGONDA	394	399	
VERDIGRIS	399	468	
CROWEBURG	468	485	
MINERAL	485	511	
SCAMMON	511	521	
TEBO	521	544	
BLUE JACKET	544	562	
DEYWOOD	562	593	
ROWE	593	680	
WILKINSON	680	718	

1.0 API well number: (If not assigned, leave blank. 14 digits.)					
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA		2 Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	PENSE BROS. DRG. CO., INC. Name 800 NEWBERRY ST., BOX 551 Street FREDERICKTOWN City MD State 63645 Zip Code Seller Code				
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.) (b) For OCS wells:	Field Name CASS County 40 State Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number				
(c) Name and identification number of this well: (35 letters and digits maximum.)	SMITH NO. 2				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)					
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.) (b) Date of the contract:	Name MO Oil & Gas Council Buyer Code				
(c) Estimated total annual production from the well:	Mo. Day Yr. _____ Million Cubic Feet				
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU				
9.0 Person responsible for this application:	B. E. BLANCETT Name B. E. Blancett Signature 12/30/92 Date Application is Completed ASS'T. V.P. Title (314) 783-3347 Phone Number				

SECTION 22, TOWNSHIP 44 NORTH, RANGE 33 WEST CASS COUNTY, MISSOURI

1/4 SECTION LINE 22

NE Cor., SW 1/4, SW 1/4 22-44-33

IP

N 85° 47' 23" E 3705.07'

NE Cor., SW 1/4, SE 1/4 22-44-33

IP

N 77° 22' 42" E 1075.34'

WEST LINE SECTION 22

S 20° 52' 03" E 2302.46'

S 45° 06' 53" E 1516.99'

S 65° 47' 36" 2600.93'

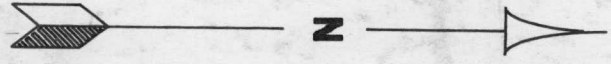
Three Cornered Fence

IP

SE Cor., SE 1/4, SW 1/4 22-44-33

FOUND IP

SMITH #1



WELL REFERENCE TIES IN THE SOUTH 1/2 22-44-33 CASS COUNTY, MO.
FOR: PENSE BROTHERS DRILLING CO. INC.
PROPOSED SMITH WELL #2

SCALE 1" = 400'
SOUTH LINE 22-44-33
ASSUMED WEST-EAST

ORDER NO.: 2770
CLEAVER AND ASSOCIATES, P.R.2, BOX 42 ATLANTA, MO. 63530
I hereby certify the survey platted hereon complies with the Current
Minimum Standards for Property Boundary Surveys adopted by the MISSOURI
DEPARTMENT OF NATURAL RESOURCES.
Executed this 24th day of Dec. 1992 by order of LEMCO.

Edward A. Cleaver
Edward A. Cleaver, L.S. 1241



2
20.00 AC

5
20.00 AC

Rowe

Rowe

B. Weisz

Smith #2

6
80.00 AC

1063+

J. Smith

J. Smith

21 22
28 27

Z¹

SEE MAP NO 15-08

G. Gunnel

LEGEND

TOWNSHIP LOCATOR

DE

DEC 24 1992

MO Oil & Gas Council

S #2